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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/729,977	12/09/2003	Yuuichi Tsuchiya	P23836	2220
7055 7590 08/14/2008 GREENBLUM & BERNSTEIN, P.L.C. 1950 ROLAND CLARKE PLACE RESTON, VA 20191				
EXAMINER RENDON, CHRISTIAN E				
ART UNIT		PAPER NUMBER		
3714				
NOTIFICATION DATE		DELIVERY MODE		
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary

Application No.

10/729,977

Applicant(s)

TSUCHIYA, YUUICHI

Examiner

CHRISTIAN E. RENDÓN

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Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 May 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 and 22-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 and 22-25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-8508)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION
Response to Amendment

This office action is in response to the amendment filed 5/27/08 in which applicant has amended claims 1 and 22-25; responded to the claim rejections. Claims 1-20 and 22-25 are still pending.

Claim Rejections - 35 USC § 103

Claims 1, 6-12 and 22-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Aonuma (US 6821204 B2) in view of "E3 2002: Zelda GameCube-to-GBA Link Revealed" and The Legend of Zelda: Ocarina of Time IGN Review.

1. The Aonuma reference was provided to give more details about the new functionality announced in the E3 article. The new functionality was created to provide a second player the opportunity to participate in a quality of adventure that "Legend of Zelda" series is known for by the gaming industry (E3: par. 8).
2. Aonuma discloses the use of a Gameboy Advance (GBA) **4** as a secondary controller to a Gamecube **3** running a game on the television screen **2** and on the LCD display **41** of the GBA (Aonuma: col. 18, lines 13-15). This setup system configuration **1** allows a plurality of players to play the same game closely in cooperation with each other (Aonuma: col. 2, lines 2-4). The prior art describes defining and arranging polygons that represent a ground object **L**, a player object **P**, several enemy objects **E** and structure objects **S** as a means of defining a 3D game space or environment (Aonuma: col. 11, lines 24-35). The player object **P** is operable by the first player (Aonuma: col. 11, lines 39-40) using the GameCube controller **31** (Aonuma: col. 3, lines 61-63). Through verbal communication a second player is able to assist the first player as a cursor object **C1** in the 3D game space by using the GBA as a controller (Aonuma: col. 2, lines 12-17). The game displays information on the LCD display **41** of the GBA about the 3D game area as a 2D map (Aonuma: col. 3, lines 43-49), hints about a specific location designated by the cursor **C1** (Aonuma: col. 2, lines 58-62), and provides the use of items (Aonuma: col. 13, lines 19-22) to help the player progress further in the game.

3. Regarding claims 1 and 22-25, the art discloses a video game apparatus that allows multiple players through multiple input devices move their player characters (**P** and **C1**) in a virtual space. The game uses 3D object **32b** and stage data **32c** to create a game space on a television screen and the LCD of the GBA (Aonuma: col. 3, lines 43-49) that is only a small portion of the virtual world contained in the game (Aonuma: col. 8, lines 29-39), therefore meeting the limitation of a 'display controller' as described by the applicant. Aonuma discloses a first player controlling the player object **P** (Aonuma: col. 7, lines 65-66), a second player controlling the cursor object **C1** (Aonuma: col. 8, lines 3-7) and the game controlling the enemy objects **E** (Aonuma: col. 11, lines 40-41); therefore all three (players and game) are considered object movers. The 2D map displayed on the display of the GBA provides a means to determine the positional relationship between each player and objects like enemies and structures (Aonuma: fig. 7). The map, hint system and item designated for use by the second player all provide a degree of advantage and ease for the player based on the positional relationship of the players displayed on the map. Aonuma states the displayed hints (Aonuma: col. 12, lines 36-38) and icons (Aonuma: col. 13, lines 19-24) in the item window are based on a specific phenomenon at the location of the cursor **C1** in the game space. However, the first player defines the game space by exploring (Aonuma: col. 7, lines 65-66) different 'rooms' (Aonuma: col. 8, lines 39-41) in the gaming world. Therefore, hints and items are based on each player's positional relationship to the game world. Finally, Aonuma discloses moving the virtual camera to center the virtual space on the 3D cursor **C1** or object through a 'call' function displayed on the GBA LCD screen (Aonuma: col. 13, lines 55-59). However the prior art remains is silent about creating a zone of a predetermined radius with an object at the center.

4. On the other hand, the first iteration of The Legend of Zelda: Ocarina of Time [OoT] in a 3D virtual space introduced Z-Targeting. The fairy character, Navi is used by the game as an indicator that hovers above any nearby objects of interest. When a player wants to focus their attention on the

object under Navi, he/she must hold down the Z button to activate Z-Targeting. With respect to the locked-on object a player is allowed to back-flip, side-step, jump attack and move around the locked-on object. A lock is broken when a player lets go of the Z-button, turns away from the object or puts enough distance between the character and the enemy (IGN: Gameplay: par. 6). Therefore a target lock creates a predetermined radius around the object of focus allowing the player to always face an object while exercising a freedom of movement within the radius. It would have been obvious for an ordinary artisan to include Z-targeting into Aonuma to allow a player move realistic freedom of movement in 3D virtual space during a fight.

5. Regarding claim 2, a feature introduced by 'Ocarina of Time' (OoT) was the 'lock-on' feature that created a 'fighting space' that allowed the player to strafe circles around an enemy always at the center of the player's point of view. The 'lock' is released when a player moves or backs too far away from the enemy (IGN: par. 8, lines 2-6). Therefore OoT teaches judging if a player character is within a predetermined area or a 'fighting space' that has an enemy object at its center.

6. Regarding claims 3-5, the context sensitive 'A' button was another innovative feature introduced in OoT. When the player character is within range or an area of predetermined size the 'A' button will reflex a new possible choice that is not available outside of the predetermined area (IGN: par. 11, lines 1-5). Therefore, the game displays an effect or ability for the player to use when he/she is in a predetermined area defined by the object. Once outside of that area the player is allowed access only to the default ability.

7. Regarding claim 6, the effectiveness of the 'small bomb' item to provide a degree of advantage and ease to the player is based on the distance. The location of the second player is on top of the enemy object (Aonuma: col. 13, lines 34-36) and when a bomb is released an explosion occurs that will damage the enemy object (Aonuma: col. 13, lines 40-42) and offer the first player a chance to be

more predominant (Aonuma: col. 13, lines 44-45). However, the first player must be within an attack range to take of an enemy object's stunned or damage status before it returns to its natural state.

8. Regarding claim 7, the art discloses the ability for the second player to create ground objects at the location of the cursor **C1** (Aonuma: col. 13, lines 62-64). These ground objects will allow the first player to traverse a valley in game space safely (Aonuma: col. 14, lines 1-3). Hence both players at one time or another are located on the second object, ground object and the first player is given a degree of advantage & ease, safe passage since the second player exists on the second object.

9. Regarding claims 8 and 11-13, the art discloses displaying the position of each player on a 2D map represented on the LCD of the GBA controller (Aonuma: col. 7, lines 42-47). Furthermore, the reference discloses the ability for objects to hide behind structures objects prevents the display of the object on the 3D game screen (Aonuma: col. 11, lines 58-60). Therefore it is possible for the display controller or the game to display the second player on the GBA and physically have a location in the 3D game space even though the second player is not visible on the television screen. Furthermore, by controlling the virtual camera the first player has a chance to change the viewpoint (Aonuma: col. 7, lines 65-67) to a position where the structure object no longer provides an obstructed view.

10. Regarding claims 9-10 and 14-16, the disclosed GBA controller is inherently a portable display device. The second player can control the visual axis of the 3D game world by zooming in/out on the generated 2D representation (Aonuma: fig. 8-9). Therefore allowing a second player to change the viewpoint or field of view of an area on the map. Furthermore, the first player is able to change the viewpoint or field of view by moving the 'c stick' **31c** to control the virtual camera (Aonuma: col. 7, lines 65-67). Finally, a second player can also change a viewpoint through the 'call' function that causes the virtual camera to center the virtual space around the 3D cursor **C1** or object (Aonuma: col. 13, lines 55-59).

Claims 17-18 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Aonuma (US 6821204 B2) in view of "E3 2002: Zelda GameCube-to-GBA Link Revealed" and Legend of Zelda: Ocarina of Time (FAQ by Banjo2553).

11. The above description of the art combination between Aonuma and Ocarina of Time and the limitations of that combination are considered within this art rejection as well. The second Ocarina of Time reference is applied to further describe the Nintendo game in detail.

12. Regarding claims 17-18 and 20, the overall theme of OoT is the effects that occur with a "passage of time". The game allows players to change the time of day in an attempt to affect the gameplay (IGN: par. 6, lines 12-13). By playing the 'Sun's Song', day time becomes night time and vice versa (FAQ: "Gorons and Death Mountain"). The ability to alternate between the time of day provides certain advantages based on the area; for example Gold Skulltulas only appear in dark places therefore a player can find them only at night outside of the dungeons (FAQ: "Gorons and Death Mountain"). By returning the 'Master Sword' back to its pedestal, the player is able to travel between the past and future of the game world (FAQ: "Bottom of the Well and Collection Quest"). Time travel allows a player to initiate a "Cause and Effect" sequence, in other words alter the 'future' game world by changing something in the 'past' game world. For example, planting a 'Magic Bean' in the 'past' allows Adult Link to find a grown plant in the 'future' that functions as a moving platform that allows the player access to new areas (FAQ: "Bottom of the Well and Collection Quest"). Therefore the time travel mechanics of OoT teaches the varying of an area as the game progress ultimately effecting a degree of advantage and ease. Furthermore, the game differentiates a rate at which a degree of advantage and ease is changed according to the game progress by offering different opportunities to use one of the two forms of time travel or rates of travel to obtain a heart piece, rupees, Gold Skulltulas or progression through the story, which all offer a degree of advantage and ease. Finally, when the game changes the time of day as the game progresses the player will experience different and stronger enemies and a decreased in visibility caused by the darkness.

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13. Regarding claim 19, during the course of the game items are acquired that help the player progress further into the game. The status of the player character is changed when one of the two extra tunic items is equipped by Adult Link. The heat-resistant Goron Tunic allows the player to explore hot environments like the Fire Temple (FAQ: "Sworn Brothers Reunite!") without dying. The Zora Tunic allows the player to breathe underwater therefore providing ample time to explore the depth of a body of water (FAQ: "Ice Cavern and Collection Quest"). Therefore, the game provides protection against heat and water or a changing a status of a player character as the game play progresses.

Response to Arguments

Applicant's arguments with respect to claims 1-20 and 22-25 have been considered but are moot in view of the new ground(s) of rejection. Furthermore the Examiner acknowledges the applicant's claim to foreign priority as 12/09/02, even though the applicant typed 12/09/03.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHRISTIAN E. RENDÓN whose telephone number is (571)272-3117. The examiner can normally be reached on 9 - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Xuan Thai can be reached on 571-272-7147. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Robert E Pezzuto/
Supervisory Patent Examiner, Art Unit 3714

/CHRISTIAN E RENDÓN/
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CER